ABSTRACT OF THE DISCLOSURE

A semiconductor device includes a control circuit for carrying out gamma correction of a supplied signal, and a memory for storing data used in the gamma correction. The control circuit and the memory are constituted by TFTs, and are integrally formed on the same insulating substrate. A semiconductor display device includes a pixel region in which a plurality of TFTs are arranged in matrix; a driver for switching the plurality of TFTs; a picture signal supply source for supplying a picture signal; a control circuit for carrying out gamma correction of the picture signal; and a memory for storing data used in the gamma correction of the picture signal. The plurality of TFTs, the driver, the control circuit, and the memory are integrally formed on the same insulating substrate.